

Andover Town Plan August 7, 2018 Public Hearing Planning Commission Reporting Form for Municipal Plan Amendments

The proposed 2018 Town Plan includes a number of changes to better address state statutory requirements and existing community conditions. The proposed updates are intended to provide strategic amendments to the 2013 Town Plan. Maps, data and other information were also updated throughout the document. Specific changes include:

- Evaluated compatibility with town and regional plans;
- Transportation Chapter to address state planning goals and identify priority future needs as well as an update of transit information;
- Andover Enhanced Energy Plan adopted by reference to address required elements and include clear standards for Section 248 proceedings;
- Addition of a flood resiliency element and plan for mitigating local flood and erosion hazard risks;
- Education Chapter to address current enrollment considerations and Act 46;
- Childcare facilities information update.
- Natural Resources Chapter to address state planning goals and Act 64/Act 171 as well as an update of the maps upon which the policies are based;

This report is in accordance with 24 V.S.A. §4384(c) which states:

“When considering an amendment to a plan, the planning commission shall prepare a written report on the proposal. The report shall address the extent to which the plan, as amended, is consistent with the goals established in section 4302 of this title.”

A number of changes were made in order to improve consistency with state planning goals, which were highlighted in a recent evaluation performed by the Southern Windsor County Regional Planning Commission (i.e. “enhanced consultation”). These changes included:

- Recognition of the VT DEC Tactical Basin Plan (TBP) for the Williams River Watershed and language to encourage water quality improvement actions per the recommendations of the TBP;
- A quick statement of non-applicability as it relates to designation under Chapter 76A;
- Transportation Chapter now includes an infrastructure priority of needs list;
- A statement of non-applicability as it relates to municipal utilities needs;
- Language to promote protection of the aesthetic nature of scenic roads;
- Language to discourage fragmentation of large forest blocks and habitat connectors;
- The new flood resiliency goal was addressed;
- The Andover Enhanced Energy Plan was adopted into the Town Plan by reference;

If the proposal would alter the designation of any land area, the report should cover the following points:

1. *The probable impact on the surrounding area, including the effect of any resulting increase in traffic, and the probable impact on the overall pattern of land use.*

The future land use map was revised. The impacts of these changes include a better representation of contiguous tracts of forest blocks and habitat connectors. Language was incorporated into the Plan to discourage undue fragmentation of these resources via commercial or residential development. This change is likely to have negligible impact upon traffic patterns. The overall pattern of development is likely to become slightly more concentrated resulting in the preservation of large tracts of undisturbed forest. This will improve wildlife habitat and flood resiliency and will aid the town in maintaining its rural character. The overall impact to the surrounding area is likely to be negligible.

2. *The long-term cost or benefit to the municipality, based upon consideration of the probable impact on:*

(A) the municipal tax base; and

This designation change largely reflects existing conditions. Negligible impacts to municipal tax base anticipated.

(B) the need for public facilities;

This designation change largely reflects existing conditions. Negligible impacts anticipated.

3. *The amount of vacant land which is:*

(A) already subject to the proposed new designation; and

The new designations were largely designated for conservation in the previous iteration of the Plan.

(B) actually available for that purpose, and the need for additional land for that purpose.

There appears to be suitable areas available to support the desired future land use designations.

4. *The suitability of the area in question for the proposed purpose, after consideration of:*

(A) appropriate alternative locations;

(B) alternative uses for the area under consideration; and

(C) the probable impact of the proposed change on other areas similarly designated

The changes made were in order to protect previously undeveloped tracts of forestland from future development.

5. *The appropriateness of the size and boundaries of the area proposed for change, with respect to the area required for the proposed use, land capability and existing development in the area."*

The proposed designation is largely consistent with existing conditions.

Please Note:

- ❖ The planning commission must hold at least one public hearing within the municipality after public notice on any proposed plan or amendment.
- ❖ At least **30** days prior to the first hearing, a copy of the proposed plan or amendment and the written report must be delivered with proof of the receipt, or mailed by certified mail, return receipt requested, to each of the following:
 1. the chairperson of the planning commission of each abutting municipality, or in the absence of any planning commission in an abutting municipality, to the clerk of that municipality;
 2. the executive director of the regional planning commission of the area in which the municipality is located;
 3. the department of housing and community affairs within the agency of commerce and community development; and
 4. business, conservation, low income advocacy and other community or interest groups or organizations that have requested notice in writing prior to the date the hearing is warned.
- ❖ The planning commission may make revisions to the proposed plan or amendment and to any written report, and must thereafter submit the proposed plan or amendment and any written report to the legislative body of the municipality.
- ❖ If the legislative body changes any part of the proposed plan, the planning commission must submit to the legislative body at or prior to the public hearing a report that analyzes the extent to which the changed proposal, when taken together with the rest of the plan, is consistent with the legislative goals established in 24 V.S.A. §4302.
- ❖ Simultaneously with the submission, the planning commission must file with the clerk of the municipality a copy of the proposed plan or amendment, and any written report, for public review.

Andover Town Plan

Adopted –
[Insert Date
Here]

Selectboard Public
Hearing
[Insert Date Here]

Planning Commission
Public Hearing
[Insert date here]

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Introduction

Purpose of the Town Plan

In accordance with 24 V.S.A., Chapter 117 (the Vermont Planning and Development Act), the purpose of the Andover Town Plan is “to guide future growth and development of land, public services and facilities, and to protect the environment” in the best interest of the citizens of Andover. This Plan is intended to include all twelve elements required by § 4382 and be consistent with state planning goals in § 4302.

Town Plan Process

A Town Plan is developed, and amended as needed, by the Planning Commission, and adopted by a vote of the Board of Selectmen. Town plans expire five years after the date of adoption, at which time they may be amended and re-adopted or entirely rewritten. Adoption procedures are outlined in 24 V.S.A. § 4385. The goals, policies, and recommendations set forth in this plan were prepared by the Andover Planning Commission and adopted by the Andover Board of Selectmen.

Background Information

Andover’s original charter was granted by Benning Wentworth in 1761. Andover is a mountainous town, nestled on the eastern slope of the Green Mountains with a land area of approximately 18,560 acres. The town has two villages, Peaseville and Simonsville (named after Edward Simons) and maintains a rural atmosphere (see text box to the right for what defines Andover’s rural atmosphere). As such, many of Andover’s residents travel outside of town to find work or amenities.

Andover’s rural character is defined by the following elements:

- A predominately forested landscape
- Open fields and farming and agricultural operations
- No municipal water and sewer services
- Dirt roads
- Limited, small-scale commercial businesses

Since the Town’s earliest days, residents of Andover have been actively engaged in farming and forest-related activities. Although most of these activities do not have the same economic relevance as in the past, some of the residents in the community are still employed in activities such as farming, sugaring and forestry, which utilize the land. Additionally, as Andover is a rural town, many of its residents engage in these activities in their spare time, but do not rely upon them for employment. It is also important to note that Andover has a significant number of seasonal homes.

Land area (square miles):	29.0
Persons per square mile, 2010	16.1
Number of persons, 2010	467
Number of families*, 2010	141
Number of households**, 2010	218

Table 1 - General Town Figures

**A family, as defined by the U.S. Census Bureau, is a group of two people or more (one of whom is the householder) related by birth, marriage, or adoption and residing together; all such people (including related subfamily members) are considered as members of one family.*

***A household consists of all the people who occupy a housing unit. A house, an apartment or other group of rooms, or a single room, is regarded as a housing unit when it is occupied or intended for occupancy as separate living quarters; that is, when the occupants do not live with any other persons in the structure and there is direct access from the outside or through a common hall. A household includes the related family members and all the unrelated people, if any, such as lodgers, foster children, wards, or employees who share the housing unit. A person living alone in a housing unit, or a group of unrelated people sharing a housing unit such as partners or roomers, is also counted as a household. The count of households excludes group quarters.*

Statement of Andover's General Goals

The following goals are based upon Andover's desire to remain a rural community:

- To preserve the rural character of the community by protecting and sustaining Andover's environment and resources;
- To preserve and protect the cultural and architectural heritage of the Town and maintain Peaseville as the administrative and recreational center of Andover;
- To control future development so that it reflects historic settlement patterns and will not place undue burden on the Town's ability to provide adequate services to its residents;
- To encourage the most desirable and appropriate use of farmlands and natural resources, the improvement of forest productivity and the preservation of open spaces through sound conservation and management practices;
- To protect public health by controlling environmental pollution (noise, air and water).
- To discourage any change of land that is destructive to the land's natural character, given that the visual landscape is one of our rural characteristics;
- To encourage the conservation of our marketable natural resources and strive to improve local use;
- To balance the rights of individual property owners with the rights of the community at large in regards to decisions made concerning health, safety, and welfare.

Population

Andover had a peak population of 1000 people in 1820 and, according to the U.S. Census, a population of 467 persons in 2010. Andover is a rural town with no urban centers. It is interesting to note that between 1950 (185) and 2000 (496), the Town's population rose steadily; however, between 2000 (496) and 2010 (467) that trend ended and the Town saw a slight decrease in population. See Figure 1 below.

The average rate of growth between 1950 and 2000 was 22.6%. This rate is slightly higher than anticipated given the large growth rates between 1970-1980 and 1990-2000; 46% and 33%, respectively. Another important trend that should be recognized is the steadily increasing number of seasonal homes in Andover. In 1980 there were 99 seasonal housing units. At the last count, in 2010, 174 were reported (2010 U.S. Census).

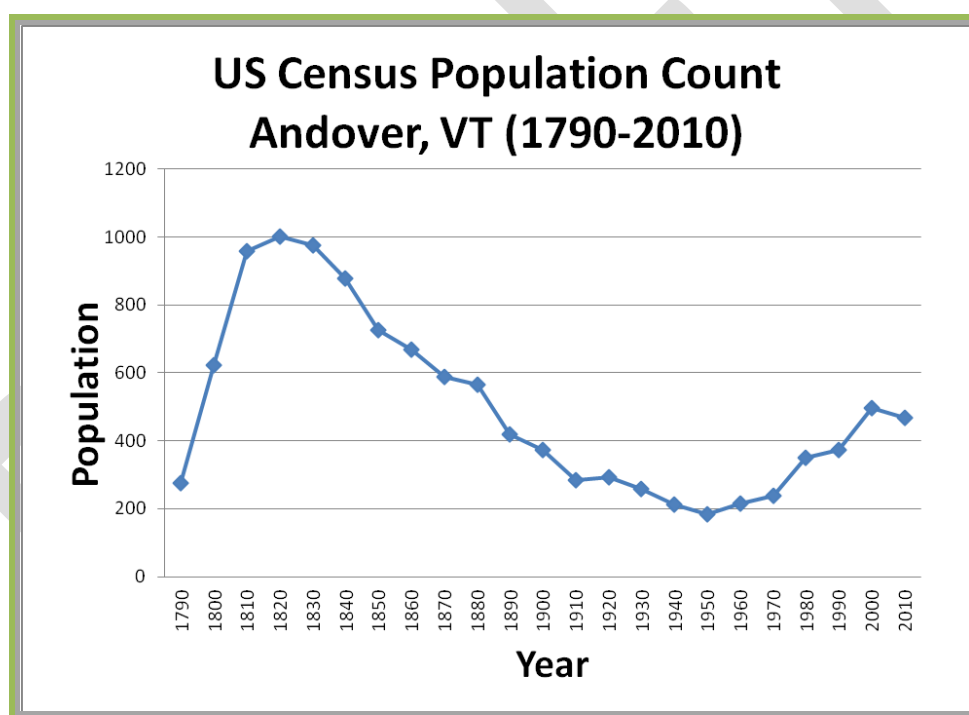


Figure 1 - Town Population 1790-2010

Population Characteristics, 2010	
Percent dependent (persons under 18 or over 64):	39.8
Percent native (Vermont born):	37.7
Population Count:	467

Table 2 - Population Characteristics, 2010

Components of Population Change:				
<u>Period</u>	<u>Initial Population</u>	<u>Final population</u>	<u>Absolute Change</u>	<u>Percent Change</u>
1970 to 1980	239	350	111	46.4%
1980 to 1990	350	373	23	6.6%
1990 to 2000	373	496	123	32.9%
2000 to 2010	496	467	-29	-5.8%

Table 3 - Components of Population Change

(Sources: Computed using U.S. Census of Population and Housing, 1970, 1980, 1990, 2000, and 2010)

Goal

- To control and direct growth so that it occurs in a reasonable and orderly fashion, with minimal impact on the environment, the Town's rural appearance, and its ability to provide services.

Recommendation

- Review the town plan, zoning bylaws, subdivision regulations and other bylaws and ordinances to determine whether changes need to be made to address community-wide issues.

Economy

According to the US Census, 2.7% of the Andover residents worked within the town in 2010. The rest of Andover's wage-earners commuted to the surrounding towns for employment. Because of this long-standing pattern of employment beyond the town's boundaries, Andover recognizes its role as a contributing partner to the regional economy. However, some of the local employers include town government, service contractors, and home occupations.

Andover's residents have, in general, fared well in the region's economic environment. In previous year's Andover's median family income has been slightly higher than the median family income for the county and the state. However, that trend no longer exists. Andover's median family income, as reported by the 2010 Census, is \$43,467, which is lower than both the County's (\$55,597) and the State's (\$56,392).

Income Characteristics, 2009			
Location	Median Household Income	Median Family Income	Per Capita Income
Vermont	\$49,406	\$56,392	\$27,478
Windsor County	\$51,229	\$55,597	\$29,053
Andover	\$51,914	\$43,467	\$24,960

Table 4 - Income Characteristics, 2009

Notes: MHI = Median Household Income, MFI = Median Family Income, PCI = Per Capita Income, NFMI = Non-family Median Income; % below poverty for family of four, per 1989 federal poverty threshold of \$12,674; N/A = information not available at time chart was created

The types of jobs available to residents in the southern Windsor County region have been steadily changing over the past 30 years. Historically, the types of work within Andover itself have been farming, forestry, and crafts. However, the decline of manufacturing, agriculture, and forestry, coupled with the increase in the ski area industries has changed the regional economy. This change has led to the number of townspeople employed in those sectors to decline steadily since 1980. It has also lead to the increase in job opportunities in the communications, public utilities, information, education, health and social services sectors. Please see the table below for actual numbers.

Total Employment, 1980-2010	
Total employment, 1980 (Persons 16 years and over):	186
Total employment, 1990 (Persons 16 years and over):	192
Total employment, 2000 (Persons 16 years and over):	267
Total employment, 2010 (Persons 16 years and over):	182

Table 5 - Total Employment, 1980-2010

Number of Workers by Industry, 1980-2010				
(Employed persons, aged 16 and over)	1980	1990	2000	2010
Agriculture, Forestry, Fisheries, Hunting and Mining	17	8	32	0
Construction	24	41	26	10
Manufacturing	46	19	32	14
Transportation	2	7	0	5
Communications, Public Utilities, and Information	0	0	5	11
Wholesale Trade	6	0	0	8
Retail Trade	26	32	37	29
Finance, Insurance, and Real Estate	12	14	8	6
Professional, Scientific, Management, Administrative, and Waste Management Services	15	18	18	12
Entertainment, Recreation Services, Accommodations, and Food Services		2	33	31
Education, Health and Social Services	23	35	50	47
Other Professional Services	7	12	18	3
Public Administration	8	4	8	6

Table 6 - Number of Workers by Industry, 1980-2010

Source: U.S. Census of Population and Housing, 1980, 1990; US Decennial Census 2000, and 2010 Longitudinal Employer-Household Dynamics (excludes self-employed)

Many Andover townspeople commute to the nearby towns of Chester, Ludlow, and Springfield. Over 50 people also commute to towns outside the region that are farther away such as Lebanon, Rockingham, Claremont, etc... According to the 2006-2010 American Community Survey the mean travel time was 22.4 minutes. The environmental, financial, and personal costs of commuting to work are an ongoing concern, in part, due to the trend of rising fuel costs. Therefore, ride sharing may be of interest to those who commute.

Child Care Facilities

Child care is an important consideration for families who have two wage earners, or for single parent households. Although Andover does not have any licensed child care providers or registered child care homes in the town, there are a number of licensed providers and registered homes in the surrounding towns of Chester, Weston, Londonderry, Ludlow, Grafton, Mount Holly and Cavendish. Another

resource available to Andover families is the Early Education Collaborative. The Collaborative is a program administered by the Two-Rivers Supervisory Union dedicated to ensuring universal access to preschool for children between the ages of three and four. Since its inception, Andover has had between 3-7 children enrolled in the program each year.

Goal

- To encourage a strong and diverse regional economy that provides job opportunities for Andover residents while maintaining the Town's unique quality of life.

Policies

- Support the creation and retention of home-based and other small-scale businesses that would be able to utilize, in an appropriate manner, the town's human and natural resources.
- Support the development and operation of child care facilities within the town.

Recommendations

- Support the continued cooperation between the Town, Planning Commission and local and regional economic development groups.
- Zoning Bylaws and other town ordinances should facilitate the creation and retention of home based and other appropriate businesses in Town.

Housing

According to the US Census, there were 408 housing units in 2010. Of these, 218 units were occupied and 190 were vacant at the time of the census. Of those vacant, 174 were seasonal homes in 2010, accounting for 42.6% of the total housing units. Seasonal homes pay taxes to help support town services which the seasonal homeowners infrequently use. However, people purchasing seasonal homes typically have more disposable income and can afford higher prices when purchasing a home. This, in turn, drives up the cost of housing in Andover.

Vermont Statute states that affordable housing is housing owned by its inhabitants whose gross household income does not exceed 80 percent of the county median income and that the total cost of the housing is not more than 30 percent of the households' gross annual income (10 V.S.A. § 6001(29)). Andover's 2010 median household income was \$51,914, slightly higher than that of Windsor County (\$51,229) (please see Table 4 above). From these figures, no more than \$1,024.58 per month should go toward mortgage payments (or rent), heat, electricity, water, housing related taxes (or fees), and other similar housing expenses for housing to be "affordable." In 2011, the average home costs in Andover were among the highest in the region and have more than doubled in price since 1996. Homes in Andover on less than 6 acres of land cost an average of \$258,333 in 2011, compared to \$108,478 in 1996 (please see Table 7 below). A 30-year mortgage at 5.0% mortgage interest rate for a home costing \$258,333 would result in \$1,386 of monthly mortgage costs. This rate is already 41% of the monthly median household income for the county, not accounting for utilities, heat, electricity, water, house related taxes and similar fees. It is likely, therefore, that the majority of people living in Andover could not afford to purchase a home there today.

One form of affordable housing is Mobile Homes. Another potential form of affordable housing in Andover is accessory dwelling units. Andover's zoning regulations include the equal treatment of housing provision which allows for accessory dwelling units. Andover recognizes that, as a rural town without municipal sewer and water, the cost of land is a large hurdle to affordable housing. Andover, as a community, supports the provision of affordable housing and is supporting it by allowing for mobile homes and accessory dwelling units.

2011 Residential Counts and Average Fair Market Values (FMV)*								
TOWN	R1** count	R1 avg. FMV	R2** count	R2 avg. FMV	MHU** count	MHU avg. FMV	MHL** count	MHL avg. FMV
Andover	156	\$258,333	207	\$422,625	8	\$3,505	6	\$97,267
SWC Region	6,755	\$173,964	2,441	\$337,324	452	\$20,541	518	\$97,983

Table 7- Residential Counts & Average Fair Market Value

* Fair Market Value (FMV) is determined by dividing the total Equalized Value for each category and dividing by the count. Data from VT Department of Taxes "Municipal Listed Values and Equalized Values by Category" 2011 Tax Year. Prepared 1/13/2012
http://www.state.vt.us/tax/pdf.word/excel/pvr/reports/2012/LVtoEQbyCAT_Mun.xls

** Property definitions are as follows:

R1 - Residential on less than 6 acres

R2 - Residential on greater than 6 acres, not including working farms

MHU - Mobile home - unlanded (set up on land not owned by the owner of the mobile home, as in mobile home parks)

MHL - Mobile home - landed (set up on land owned by the owner of the mobile home)

Goals

- To encourage a diversified housing stock so that residents and their children can afford to reside in Andover.
- To support the efforts of the Windham and Windsor Housing Trust to provide safe and affordable housing.

Policies

- Encourage new home construction to occur in a manner that preserves the rural character of the town.
- Encourage new home construction that most local residents can afford.

Recommendations

- Review zoning and subdivision regulations for consistency with affordable housing goals.
- Consider strategies for affordable housing in zoning and subdivision regulation, such as maintaining historic density levels in historic villages, and provision of accessory living spaces within existing buildings.
- Work with the Windham and Windsor Housing Trust and the regional commission to meet local housing needs.

Education

At the time this Plan was adopted, Andover provided for the education of its children through membership in the Green Mountain Union High School and the Chester-Andover Elementary Union School districts. However, in compliance with Act 46, the State initiative mandating consolidation of local School districts into large Unified Districts, the Towns of Andover, Baltimore, Cavendish and Chester have created a new School District called the Green Mountain Unified District (GMUSD) that will, beginning on July 1, 2018, operate all the K-12 Schools in the Towns. (i.e. Cavendish Elementary School, Chester/Andover Elementary School and Green Mountain Union High School).

Number of Andover Students Attending School			
	CAES	GMUHS	TOTAL
2017	22	27	49
2016	20	17	37
2015	23	15	38
2014	22	17	39
2013	20	20	40
2012	25	27	52
2011	28	36	64
2010	25	30	55
2009	21	30	51
2008	25	25	50
2007	31	19	50
2006	27	26	53
2005	29	32	61
2004	25	26	51
2003	30	26	56
2002	33	35	68
2001	25	31	56

Table 8 - Number of Andover Students Attending School

Post High School

Vermont Community College in Springfield offers college level courses. New Hampshire Community Technical College in Claremont, NH, offers college level courses, associate degrees, and adult continuing education. There is also workforce training offered through the Workforce Investment Board in Springfield, which is located in the same building as the Vermont Community College.

Goal

- To ensure that the residents of Andover have access to adequate educational opportunities.

Policy

- Maintain and improve the quality of the education systems used by the town.

Recommendation

- Maintain active and effective representation on the Green Mountain Unified District Board.

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Transportation

There is a total of 44.46 miles of publicly maintained roads and highways in the Town of Andover, including two State Highways: Route 11 and Route 100. Andover has no publicly maintained sidewalks or pedestrian trails. Bike and pedestrian consideration is therefore limited to sharing the road. The current transportation infrastructure is sufficient and no future expansion projects are planned. As such, regular road maintenance will be adequate for the duration of this plan.

In accordance with State law, local roads are classified into four groups based on their level of use, condition, and surface type. These groups are identified as Class 1, 2, 3, 4 and Legal Trails. The classifications are used to determine the amount of State Aid given to towns for transportation.

Andover Town Road Inventory	
Class 2 Town Highway	9.93 miles
Class 3 Town Highway	30.64 miles
Class 4 Town Highway	4.62 miles*
State Highways	3.89 miles
Private Roads	Approximately 3.75 miles
Legal Trails	18.86 miles
Hydrologically Connected Road Miles under the Municipal Roads General Permit	18.8 miles
Percentage of Hydrologically Connected Roadways	41.7%

Table 9 - Andover Town Road Inventory

*Not included in the Town's total mileage

Class 2 roads are the most frequently used roads in town and most of these are paved. Class 3 roads generally connect to either Class 2 roads or State highways and may be either paved or unpaved. Class 4 roads are unpaved, seasonal roads that are not plowed in winter. Towns do not receive State Aid for Class 4 roads and are not required to maintain them.

Andover has a rich history of old roads, cellar holes, family settlements, and events that are still part of the town's heritage, including 18.8 miles of Legal Trails that crisscross the town. These Trails were once class 4 roads that have since been converted. They are described and controlled by a town ordinance and depicted on the State of Vermont Highway Map.

Maintaining the existing road system is important to Andover's economic well-being and future growth. Expansion of the existing road network could have negative impacts on the town for a variety of reasons. One of which is the cost of maintaining public roads. Currently, it accounts for about 51% of the total municipal budget, not including education (2011 Town Report). However, if the road system was expanded upon, that cost could rise. Additionally, extending the existing roads or creating new roads could seriously affect the physical character of the community and lead to dispersal of housing and population.

While there are not any regional transit routes that run through Andover, dial-a-ride services are available through Southeast Vermont Transit ("The Current"). Southeast Vermont Transit also

provides Elderly and Persons with Disabilities (E&D) transportation services to eligible residents, while Vermont Public Transportation Association (VPTA) provides Medicaid transportation services to eligible residents.

Particularly on state highways, the thoughtful location and design of highway accesses, or curb cuts, directly affects the safety and efficiency of travel. The Vermont Agency of Transportation issues access permits for Routes 11 and 100, subject to B-71 standards and VT Access Management Program Guidelines. Town access permits are required for curb-cuts along all town roads under Andover's road ordinance.

5-Year Priority of Need

Project and Road Name	Priority/ schedule	Anticipated cost	Method of financing
Weston Andover Road High Bridge #9 Replacement		\$1,250,000	Town Highway Bridge Program
Repave Weston Andover Road (2 miles)			Class II Repaving Grant
Repave East Hill Road (1 mile)			Class II Repaving Grant
Replace Dorman Road culvert #13		\$120,000	VT Structures Grant
Replace Dorman Road culvert #14		\$120,000	VT Structures Grant
Replace Little Pond Road culvert #7		\$120,000	VT Structures Grant
Replace Little Pond Road culvert #10		\$120,000	VT Structures Grant
Replace East Hill Road culvert #40		\$160,000	VT Structures Grant
Strip, level and seal Andover Weston Road bridge #3 deck			VT Structures Grant
Replace Middletown Road culvert #3 with box culvert or bridge			VT Structures Grant
Replace North Hill Road culvert #5		\$225,000	

Goals

- To maintain a transportation system that is cost effective, environmentally sound, safe, convenient, and efficient for the movement of people, goods, and services.
- To encourage the use of the Legal Trail network for historical and recreational purposes.

Policies

- Careful consideration, including a review of the town's road ordinance, shall be given to all potential impacts before expansion of existing roads or construction of new roads is approved or accepted.
- Maintain a transportation system that is consistent with the rural character of the Town.
- Sound access management principles shall be used in granting vehicular access along public highways, taking into consideration safety, efficiency, and land use goals.
- Residential development shall occur within close proximity to existing town highways.
- Promote and participate in local and regional transportation planning.
- All new road expansion projects planned as part of a subdivision shall comply with Andover's zoning and subdivision regulations.

- Legal Trails networks for non-motorized use shall be managed in a manner that does not result in environmental degradation.
- Development shall not detract from the aesthetic nature of scenic roads.

Recommendations

- Review the Town road ordinance for consistency with newest Vermont codes and standards and subdivision road standards.

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Town and Public Facilities

For the duration of this plan, no large public investment is anticipated. The existing Town Office, Town Hall, Highway Garage, and municipal equipment appear to be adequate for the next five years. In 1993 the Town Hall was relocated and improvements were made including adding a kitchen, bathrooms, and handicap access to the building. In 2011 and 2012, insulation improvements were made to the Town Offices. A handicap accessible ramp was added to the Town Office building in 2017.

The Town of Andover does not intend to construct or operate a municipal water system or a municipal sewage disposal system within the time frame of this plan. Owners of residential and commercial facilities are expected to provide for their own water needs and for on-site sewage disposal needs in accordance with the provisions of the State's regulations for water and wastewater.

There are no plans for any additions and/or new construction related to public recreational facilities. Additionally, the Town does not operate a transfer station. Andover residents can utilize the Springfield transfer station for disposal of their trash and recyclables.

Police protection is provided by the Vermont State Police. Andover contracts and pays for firefighting services and emergency ambulance services provided by the Town of Chester Fire Department. The present levels of Police, Fire and Emergency services are considered adequate for the duration of this plan. The Springfield Hospital is the closest full-service hospital; however, there are also community health centers located in Ludlow and in Londonderry that residents could also take advantage of.

Goal

- To maintain the appearance, safety and quality of town and public facilities.

Policies

- Encourage the use of existing Town facilities, as appropriate.
- Promote the use of Town facilities in the recognition and celebration of commemorative events and occasions of importance to the citizens of Andover.

Recommendations

- The Board of Selectmen will review the condition of town facilities and equipment on an annual basis.
- Develop a Capital Program and Budget Plan to guide town expenditures on future capital projects.

Energy

The Enhanced Energy Plan for the Town of Andover, VT, including all applicable policies and recommendations, is hereby adopted to serve as the energy element for the *Andover Town Plan*.

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Utilities

The promulgation of the Telecommunications Act of 1996 has led to the proliferation of telecommunication towers and facilities. The siting of electrical facilities, transmissions lines, telecommunication and broadcasting towers and facilities involves health, safety, and aesthetic issues. These structures can alter mountaintops and ridge lines in ways that negatively affect scenic resources vital to Andover's economic and cultural future. View-sheds and bear habitat are particularly vulnerable to impacts from the development of new communications towers. Communications towers and electrical transmission lines must meet the Federal Communications Commission's standards for Electromagnetic Fields (EMFs). In particular, new telecommunication towers or transmission lines are discouraged from the ridge lines of Terrible Mountain, East Hill, and Markham Mountain. Additionally, all new telecommunication towers and transmission lines must meet zoning standards and mitigate negative effects to the environment.

The town also recognizes the national need to conserve natural resources and reduce pollution through local efforts to reduce consumption, and to reuse and recycle existing products and materials that would otherwise become waste.

Goals

- To accommodate the necessity of utilities while minimizing the economic, aesthetic and environmental impact upon the town.
- To encourage citizens to reduce, reuse, and recycle.

Policies

- Allow new facilities and towers only as necessary to meet the changing needs of the public.
- Use of existing utilities/infrastructure shall be evaluated for viability prior to municipal permit issuance for construction and siting of new infrastructure.
- Siting of new telecommunications towers on ridge lines and mountaintops within Andover shall be prohibited.
- Encourage citizens to use recycling programs in neighboring towns.

Recommendations

- Consult the Andover Zoning Regulations for the specific conditions of construction and siting of any electrical, telecommunication or broadcasting tower or facility.

Natural and Cultural Resources

Air Quality

Andover does not have a heavy industrial base or concentrated population that has led to an air quality problem. Accordingly, the Town's good air quality constitutes an environmental resource that has aesthetic as well as human health benefits. Elements that could negatively affect air quality include: smell, particulate matter (from dust, smoke or fumes), radiation, chemical vapors, motor vehicle exhaust and power plant emissions.

Andover's ambient air quality should be maintained. Town equipment should meet emission standards. The town should take an active role in the review of development proposals or plans that could adversely affect air quality.

Goals:

- To preserve the current high air quality.

Policies:

- All town equipment shall meet or exceed Federal and State emission standards.

Recommendations:

- Consider adopting performance standards for emissions into zoning bylaws.
- Encourage local residents to keep their vehicles and equipment in compliance with all applicable emission standards.

Agricultural and forested lands

A small and continually decreasing percentage of land in Andover is utilized for agricultural purposes. This trend is a concern for the Town as farms provide open space and contribute to the rural character that people enjoy about Andover. A few of the other benefits provided by farmland include habitat for a variety of mammals, reptiles, amphibians, and birds as well as a patchwork of fields, forests, and view-sheds which together constitute an aesthetic resource.

Certain areas of town are identified as having prime agricultural soils. Primary agricultural soils are defined as those areas of land which are capable of supporting an agricultural operation and are further defined in 10 V.S.A. § 6001 (15) [Act 250]. These lands and other areas that are currently being used as farmland and/or forested land under production such as maple syrup operations should be preserved for agricultural uses when possible and, where that is not possible, the use should not diminish the lands future productivity.

The majority of land in Andover is forested. The quality and quantity of these lands contributes significantly to the rural character that is so important to town residents. Andover's forests are currently a mix of broadleaves and conifers. One species in particular, the Sugar Maple, plays an integral role in Vermont and Andover's cultural heritage as it provides colorful foliage and the sap

necessary to produce maple syrup. Andover's forests also play an important role in the health of the environment. Carbon sequestration, erosion control, wildlife habitat provision and connectivity, and flood mitigation are just a few of the many benefits provided by forestlands. Therefore, it is in the best interest of the Town to preserve the quality and quantity of their forestlands.

Goals

- To promote the continued use of agricultural and forested lands in a manner that helps to preserve the natural beauty, ecological health, function, and productivity of the lands.
- To encourage sustainable uses of Andover's marketable natural resources.

Policies

- Areas of land identified as having primary agricultural soils shall be devoted to the production of agricultural products, or to uses that will preserve such lands for future agricultural operations.
- Any development planned for agricultural or forested lands shall not reduce the natural productivity of these lands and shall minimize adverse environmental impacts.
- All logging and forest-related activity shall be done in accordance with Best Management Practices (BMP) and Required Agricultural Practices (RAP) as established by the Vermont Agency of Agriculture, Food and Markets (AAFM).
- Proposed development within mapped forest blocks and habitat connectors shall be located within only the exterior borders of the block in an effort to reduce fragmentation. If physical constraints preclude development at the edge of the block, said development shall minimize undue fragmentation of the forest block.
- Newly constructed roads longer than 1,000 feet are prohibited within mapped forest blocks and habitat connectors.
- If proposed development such as roads, driveways or utilities are in the vicinity of a mapped forest block or habitat connector, development shall be designed as such to avoid fragmentation to the greatest extent reasonably possible.

Recommendations

- Promote, through education, the correct management practices for agriculture and forest-related activities by utilizing the expertise of professionals.
- Work with area land trusts, in cooperation with land owners and the community, to educate people on the different methods available to preserve important forested and agricultural lands.
- Continue to identify areas of significant aesthetic value to the entire community.

Surface waters and wetlands

The rivers and streams that run through Andover are a valuable resource for the town and for the Williams River watershed. While most of the streams are small, many contain healthy populations of

native fish and serve as the headwaters of the upper and middle branches of the Williams River. Headwater streams are sensitive to change, and land uses in this part of the watershed can affect water quality and river stability further downstream.

Due to the importance of these surface waters, it is imperative that they be protected. Protection of surface waters involves stream bank management, overseeing point source discharges of wastes, and controlling non-point sources of water pollution and storm water runoff from roads and impervious surfaces. Naturally vegetated buffer zones next to surface waters can help to filter pollutants, provide shade for fish, and habitat for birds and mammals. In addition, wide buffers provide natural greenways and wildlife corridors.

A number of ponds and wetlands are also located throughout Andover, many of which are included in the National Wetlands Inventory. Wetlands, small ponds and vernal pools (ponds that dry up in summer months) are biologically productive ecosystems and serve a variety of functions: retaining stormwater runoff, reducing flood peaks, protecting groundwater quality, filtering eroded sediment, and providing habitat for a wide diversity of plants and animals. They also provide open space and contribute to Andover's scenic landscape. According to the Vermont Wetlands Rules, Class 1 and 2 wetlands (those identified in the National Wetlands Inventory) require conditional use review prior to the issuance of a local zoning permit.

In 2015, the Vermont legislature recognized the importance of proper road Best Management Practices (BMP's) in achieving our state-wide water quality goals and tasked the Vermont Agency of Natural Resources (ANR) with developing the Municipal Roads General Permit (MRGP) as a component of the 2015 passage of Act 64 (Vermont Clean Water Act). The MRGP requires municipalities to implement a suite of BMP's along municipally owned and maintained modelled hydrologically connected roadways of 100 meters in length. Required BMP's are contingent upon the predominant slope of the road segment, with steeper slopes requiring more robust, and often costlier, BMP's. A link to the Permit and the associated standards can be found here:

http://dec.vermont.gov/sites/dec/files/wsm/stormwater/docs/Permitinformation/MunicipalRoads/sw_FinMRGP.pdf

Each Vermont municipality will be required to apply for the Permit by July 31, 2018 and are required to be fully compliant with the Permit by December 31, 2036. There are a number of grant opportunities to help Towns fund MRGP compliance projects, most notably the Municipal Roads Grants-in-Aid Program and the Vermont Better Roads Program. A source of Federal funds that can be used for costlier projects is the Municipal Highway and Stormwater Mitigation Program. Each of these funding sources require local match of 20-25%.

Goals

- Maintain or enhance the integrity and functions of Andover's surface waters and wetlands.
- Bring at least 15% of Andover's non-compliant hydrologically connected road segments into full Municipal Roads General Permit (MRGP) compliance every five (5) years until full compliance is achieved.

Policies

- Continuous areas of undisturbed vegetation along rivers and streams shall be maintained, thereby protecting shorelines, wildlife habitat, and scenic quality. Reasonable flexibility with these buffer standards shall be afforded in order to allow for recreational uses (e.g. water access, multi-use paths), water crossings (e.g. roads, driveways and utilities), and management activities (e.g. removal of hazardous trees, eradicating exotic invasive species or contaminated soil remediation).
- New development adjacent to streams or rivers must be designed to cause minimal damage to the stream environment. Any such development shall be planned so as to avoid undue sedimentation, nutrient loading, or other forms of pollution.
- Any storing or transporting of chemicals or other hazardous material shall be done in such a manner so as to have no adverse impact on streams or other water resources.
- The use of road salts and other chemicals adjacent to sensitive areas such as wetlands, streams, and steep slopes shall be minimized to the most reasonable extent possible.
- Any alteration to rivers, lakes, streams, ponds and/or wetlands shall be carried out in compliance with all Federal, State and local regulations.
- Contingent upon the availability of sufficient external funding, surface water resources shall be protected and improved in accordance with the policies and actions outlined in the most recent version of the Vermont Department of Environmental Conservation (VT DEC) Williams River Watershed Tactical Basin Plan (TBP).

Recommendations

- Review and amend zoning regulations to protect rivers and streams, ponds and wetlands not already protected under state law.
- Include high elevation streams and buffer areas in a plan for open space conservation.

Flood Resilience

Statutory Basis:

The intent of this Subchapter is to address statutory requirements of the flood resiliency element approved as Act 16 by the Legislature in 2013. This Subchapter will meet that requirement by:

1. Identifying areas in the Town of Andover that are at significant risk for flooding and/or fluvial erosion;
2. Designate those areas to be protected from such hazards; and,
3. Articulate policies and strategies that promote community flood resilience.

Background:

In 2013, the Vermont House and Senate passed H.401, which the Governor then signed into law (Act 16). Act 16 requires town plans to include a flood resilience component that identifies flood and fluvial

erosion hazard areas and recommends strategies to protect these areas and “to mitigate risks to public safety, critical infrastructure, historic structures, and municipal investments.” To prevent future damage to private property and municipal infrastructure, the town shall adopt policies or ordinances in order to strengthen flood resilience in Andover.

Hazard Areas:

Areas in Andover that are particularly at risk of flooding and fluvial erosion are discussed below, and within the Andover Local Hazard Mitigation Plan, and are shown on the Water Resources Map. These hazard areas are based on mapping data from FEMA, local input, and the Vermont Agency of Natural Resources (ANR). Mapping data for the below can be found on the ANR Natural Resource Atlas and Flood Ready Vermont websites.

1. Flood Hazard

The areas in Andover that are at higher risk of flooding (i.e. Special Flood Hazard Areas) are shown on FEMA’s Flood Insurance Rate Map (FIRM), as most recently amended. These maps are also available through FEMA’s online [Flood Map Service Center](#). The Flood Hazard Map depicts the Special Flood Hazard Areas (SFHA).

2. River Corridors

Rivers are dynamic and, as a result, development that is located too close to river/stream banks are at risk of potential bank erosion and/or channel migration. The River Corridor (RC), which is shown on the River Corridor Map, depicts the portions of Andover that are at risk of this type of fluvial erosion damage. The RC term is defined under State statute as “the land area adjacent to a river that is required to accommodate the dimensions, slope, planform, and buffer of the naturally stable channel and that is necessary for the natural maintenance or natural restoration of a dynamic equilibrium condition and for minimization of fluvial erosion hazards, as delineated by the Agency of Natural Resources in accordance with the river corridor protection procedures” (24 V.S.A. §4303).

3. Williams River Stream Geomorphic Assessment and River Corridor Plan

A Phase II Stream Geomorphic Assessment (SGA) and River Corridor Plan (RCP) for the Williams River and associated tributaries, examining erosion hazards, floodplain access, bridge and culvert conditions, and other related concerns, was finalized in September, 2016. Findings from these studies, as they relate to flood resiliency in Andover, include:

- Man-made earthen berms and undersized stream crossing structures in the vicinity of Horseshoe Acres Campground is exacerbating flooding in Andover.
- The encroachment percentage along much of the Middle Branch in Andover is extreme (>75%).
- The percentage of bank erosion along much of the Middle Branch in Andover is high (>20%).

Designated Areas to be Protected:

In accordance with the Act, the following areas of Andover are designated for their role in reducing the risk of flood damage to infrastructure and improved property.

1. Special Flood Hazard Areas

Floodway and floodway fringe areas (i.e. Special Flood Hazard Areas) as shown on the most current FIRM developed by FEMA represent areas that are subject to Andover's flood hazard review procedures in order to protect properties from future flood damages. This generally requires raising living spaces to be one (1) foot above the Base Flood Elevation (BFE) or dry-flood proofing non-residential buildings, along with other requirements.

2. River Corridor

Lands subject to fluvial erosion hazards are as shown on the most recent ANR map of River Corridors. Development that is subject to State rules and procedures – including state facilities, required agricultural and forestry activities per 24 V.S.A. §4413, and projects subject to Act 250 or Section 248 review – will be required to meet standards that promote resilience from future fluvial erosion in these areas.

3. Lands Adjacent to Streams

FEMA special flood hazard areas (SFHA) are designated along only the larger rivers and streams in Andover. However, flooding is possible along all other watercourses. Therefore, Andover's Zoning Bylaws should consider an undisturbed, vegetated buffer strip of fifty (50) feet from all wetlands, streams and rivers, and public ponds.

As noted above, the water quality and flood resilience benefits of buffers along water courses play an important role. However, equally important is to allow for some exemptions to the buffer standards in order to allow for recreational uses (e.g. water access, multi-use paths), stream crossings (e.g. roads, driveways and utilities), and management activities (e.g. removal of hazardous trees, eradicating exotic invasive species or contaminated soil remediation).

4. Wetlands

Wetlands serve a number of important functions, including flood retention. Maintaining this functionality of wetlands can contribute toward mitigating flooding impacts in Andover, therefore, zoning bylaws should be considered to protect wetland functions.

5. Upland Forests

Maintaining an adequate forest cover in rural upland areas and steep slope areas helps to maximize infiltration of water into the soil and minimize or slow down stormwater runoff in ways that mitigate flooding hazards to downstream locations. Efforts to minimize heavy cutting in forestry activities, limiting the extent and densities of developments, and properly managing stormwater in these uplands areas will help contribute toward community flood resilience. Andover subdivision bylaws should consider stormwater and steep slope provisions that help to achieve this upland forest functionality.

Goals, Policies & Recommendations:

In order to protect the areas identified and designated above in this subchapter and to mitigate risks to public safety, critical infrastructure, historic structures, and municipal investments, the following goals, policies and recommendations are established.

Goal

- Encourage a flood resilient community.

Policies

- New development in identified floodways and River Corridors shall be avoided. If new development is to be built in such areas, it shall not exacerbate flooding and/or fluvial erosion.
- Infill development in River Corridors shall be allowed in accordance with the VT Department of Environmental Conservation's *Flood Hazard Area and River Corridor Protection Procedure*.
- The protection and restoration of floodplains and upland forested areas that attenuate and moderate flooding and fluvial erosion shall be encouraged.
- Where buffers are required for Act 250 projects, provide reasonable flexibility with these buffer standards in order to allow for recreational uses (e.g. water access, multi-use paths), water crossings (e.g. roads, driveways and utilities), and management activities (e.g. removal of hazardous trees, eradicating exotic invasive species or contaminated soil remediation).
- Maximize onsite stormwater infiltration to help promote flood resiliency.
- Preserve the flood retention functionality of wetlands that serve as important components of local flood resilience efforts.
- Andover's *Local Hazard Mitigation Plan*, as most currently amended, is hereby adopted by reference as a component of this Municipal Plan.

Recommendations

- Consider acquisitions of at risk properties, with assistance from applicable grant funding sources.
- Retrofit/replace existing drainage systems to allow for greater water passage.
- The Town should consider developing adequate emergency preparedness and response planning including, but not limited to:
 - a) Maintenance of an up to date Local Emergency Operations Plan;
 - b) Updating the Local Hazard Mitigation Plan on a five-year timeframe, or as needed;
- Evaluate existing regulations and standards to ensure that the goal and policies of this Subchapter are adequately addressed.
- Maintain enrollment in the National Flood Insurance Program.

- Update the bridge and culvert inventory and condition assessment and maintain an annual culvert upgrade and maintenance program to address the priority needs identified in the inventory.
- Encourage flood resiliency by prioritizing land conservation efforts for those lands that serve important flood retention or attenuation functions.
- Andover should consider updating zoning bylaws to protect river corridors and establish stream setbacks.

Wildlife habitat and endangered species

Wildlife is plentiful throughout the Town of Andover. Whitetail deer, black bear, moose, and wild turkey are a few of the animals that can be found around town. Large tracts of undeveloped land provide the best habitat for bear, deer, and wildlife in general. However, some habitat areas are more important, or “significant,” than others. Habitat is considered more significant when it supports rare species or an unusually large number of species; provides an abundance of food, maternity sites, or other resources; provides a buffer for wildlife against the effects of development; or when it represents a small percentage of the landscape. The Vermont Department of Fish and Wildlife may consider protection of significant habitats as Necessary Wildlife Habitat under criterion 8(a) of Act 250. Additionally, the Department of Fish and Wildlife rates land according to its wildlife habitat suitability. Areas that receive higher ratings (as shown on the Wildlife Habitat Map) should be preserved. According to the Vermont Non-game and Natural Heritage Program, there are currently no endangered or rare species located in Andover.

Goal

- To preserve wildlife habitat areas.

Policies

- Encourage the conservation of contiguous properties and discourage practices that fragment mapped forest blocks and habitat connectors.

Recommendations

- Develop strategies to protect areas containing rare species, exemplary natural communities, and necessary wildlife habitat. Strategies may include public and quasi-public ownership or conservation easements protecting such lands.
- Request that the Regional Planning Commission update maps, as appropriate, indicating the locations of state regulated natural resource constraints.
- Review Andover’s subdivision regulations to ensure conformity with wildlife habitat policies.
- Discuss at town meeting and other community forums the development of a conservation program.
- Discuss the merit of creating a conservation commission.

Mineral resources

Gravel and sand are the only earth resources utilized at this time, but other resources such as granite, soapstone and talc may be present. Mining provides jobs and is a valuable source of income for rural communities. Resources from mining make activities such as building construction, road development, and a variety of other manufacturing processes possible. However, mining and mineral extraction can adversely affect a community in a number of ways. First, the road network can suffer damage due to the heavy equipment and trucks that need to be transported to and from the job site. Second, the aesthetics of the community's rural landscape can be negatively impacted. Third, surrounding ecosystems can be negatively affected (these effects include, but are not limited to degradation of water quality, habitat fragmentation, and degradation of soil quality). Finally, the peace and quiet of a rural community can be changed due to the associated noise pollution.

Goals

- To encourage the extraction and processing of mineral resources in a manner that is appropriate and consistent with Andover's rural character.
- To minimize negative effects from mineral extraction to the surrounding ecosystems.

Policies

- The extraction of any earth resource shall be permitted only when the present and future effects of such extractions and related processing are not unreasonably damaging to the surrounding properties and the environment.
- Earth resource extraction sites shall be restored as closely as possible to their original condition in a timely manner. Bare soils left as a result of mining activities shall be seeded or otherwise stabilized within one year of the conclusion of mining activities.

Recommendations

- Review local and state regulations to assure that the public interest is protected. Amend local regulations to conform to any revised state regulations.

Cultural Resources

There are many historically significant structures located throughout Andover, thirteen of which have been identified on the State Register of Historic Places; one of these, Rowell's Inn in Simonsville, has been entered on the National Historic Register. The other state identified sites are: the Union Church, the currently active Andover Community Church, the Jacquith House, Marie Hill Farm, the Elliot House, the Hazeltine House, the Town Hall, the Bergquist House, the Hale House, the Halloway House, the Davison House, and the Town Highway 17 Bridge, over Nancy Brook. These structures, and others like them, should be protected and preserved.

Goals

- Protect and preserve the structures recorded in the state and national registers of historic places.
- Protect and preserve cultural resources as they are identified by the residents of Andover.

Policies

- The demolition of historically significant structures shall be discouraged.
- Property owners of historic structures seeking inclusion in the State or National Registers should be encouraged and assisted in their efforts.

Recommendations

- Review bylaws to strengthen protection of historic structures.
- Cooperate with local Historical Societies and the Vermont Division for Historic Preservation to build public consensus for the value of historic structures.
- Inventory cultural resources as identified by the residents of Andover.

Land Use

Existing Land Use

Andover is a small, rural town that is predominantly forested. The town consists of single family residential homes and seasonal homes (due in part to Andover's proximity to the Okemo ski area) with very little commercial development. There are a few businesses that operate in town, but most people work in surrounding towns. Development in the Town of Andover has been significantly influenced by its topography and road access. Generally, commercial development has occurred along Andover Road and Route 11 with the exception being the Tater Hill recreational area which is located in the Towns of Windham and Andover. Residential development has been limited by steep slopes, very shallow soils and poor road access. Current land use patterns continue to be influenced by many of the same limitations, but other important factors such as technological advances and availability of capital are providing opportunities for development in areas that were once considered severely limited.

Future Land Use

Historically, development in Andover has occurred in a manner that was in accordance with community interests. The rate at which the population has grown has not placed an undue burden on town services and schools, nor on the environment, primarily because the majority of development has been for single family homes or for small subdivisions. Should a proposed development place an undue burden on Town services and schools, the Town may require the project to be phased in to mitigate the effects.

In order to guide future growth with respect to the requirements of 24 V.S.A. 4382(a)(2), the following land use categories are established and shown on the Future Land Use Map. Generally, land within the delineated areas is suitable for the uses and densities proposed in this Plan; however, the physical characteristics of certain individual properties may be such that engineering or environmental considerations will further limit development. The descriptions of appropriate land uses and densities should be interpreted generally; individual properties may have additional limitations. There are currently no industrial land uses in the Town of Andover and the Town does not anticipate any in the future. However, working landscape uses such as sustainable logging or maple sugaring may be found in all of the categories; therefore, it is important that these uses minimize impacts to adjacent parcels. As a rural community without a defined downtown district, there are no areas proposed for designation under chapter 76A for historic downtown development.

Along with the development capability of the land and protection of valuable natural resources, the efficient provision of public services is the basis for Andover's land use categories. Directing growth to areas most effectively and efficiently serviced by utilities, roads, and services will help the Town achieve its stated objectives of maintaining its rural character and controlling the cost of public services. Development on the remaining, more remote land should be limited to the lowest density uses because of the steeper terrain, higher elevations, more fragile environments, wildlife habitat, and limited access to roads and other services.

Agriculture

- A. Values: farming economy, food supply, cultural heritage, rural character
- B. Desired uses:

1. Encourage the continued operation of active farms
2. Conserve both prime agricultural soils and agricultural soils of statewide importance for future use
3. Allow for low-density residential & home industry uses, but minimize fragmentation of agricultural soils

Conservation

- A. Values: wildlife habitat, outdoor recreation, educational resources, fragile natural areas, economic asset (recreation & tourism), forestlands, shorelands/flood control management areas, aesthetic
- B. Desired uses:
 1. Maintain natural conditions for current and future generations, highest level of protection from development
 2. Very low density
 3. Special care with resource management or extraction to maintain character and value of these resources

Rural Residential

- A. Values: rural character, recreation, working landscape and forestlands
- B. Desired uses:
 1. Maintain rural character
 2. Highest density settlement patterns
 3. Supports a variety of uses (residential, agricultural, forest, home occupations and other compatible uses)
 4. Discourage sprawl and strip commercial development

Commercial

- A. Values: commercial uses at a scale appropriate for Andover, job opportunities
- B. Desired uses:
 1. Commercial uses at smaller scale that are appropriate for Andover (with no public water & sewer services), such as a gas station, inn, or sawmill.
 2. Concentrate commercial uses to minimize traffic and other impacts on other parts of town
 3. Minimize undue adverse impacts on adjacent, non-commercial uses through siting, landscaping, screening and other efforts

Goal:

- Development shall be compatible with the surrounding areas to the greatest extent possible in-order to preserve Andover's rural character, open spaces, and historic land use patterns.

Policies

- Future development shall be consistent with the future land use map and category descriptions.
- It shall be the policy of the Town of Andover to control the rate of growth within the community so as to promote orderly development without placing undue burdens upon the taxpayers or the environment.

- Commercial and industrial development shall be at the appropriate scale for a small rural community like Andover.
- Residential development shall not fragment important agricultural and forest lands or lands that provide habitat for bear, moose, bobcat and other important indicator species. The Wildlife Habitat Map shows areas of Town that have high wildlife habitat suitability ratings.
- Residential, commercial and industrial development along ridgelines and/or on slopes greater than 15% shall be prohibited.
- The clustering of residential development is to be encouraged. This will result in higher densities on some parcels but will be beneficial to the proper functioning of these lands.
- Home based and small commercial enterprises are important so long as they are compatible with adjoining land uses and do not adversely affect air quality, water quality, or scenic resources.
- Employment opportunities based on tourism, agriculture, forestry, and natural resources are encouraged.
- Development along the existing road system is encouraged; the construction of new public roads is discouraged.
- The siting of public utilities shall be sensitive to Andover's aesthetic and natural resources. Specifically, the location of a utility scale wind or power generation facility is prohibited from the ridge lines of Terrible Mountain, East Hill, and Markham Mountain.
- Maintain a high quality natural environment that is available and accessible to the citizens of Andover to use and enjoy.

Recommendations

- Review the rate of population and housing growth every five years to determine rate of growth.
- Update the zoning and subdivisions regulations on an as needed basis to address growth issues.

Relationship to Local and Regional Plans

Andover is a rural town with a population smaller than that of the surrounding towns. Its two villages, Peaseville and Simonsville, have been identified in the Regional Plan as “historic hamlets” consisting of little if any commercial development. Andover aims to preserve its rural character and the cultural and architectural heritage of these hamlets. Therefore, the people of Andover will continue to depend on the surrounding towns, particularly Ludlow, Chester, and Londonderry for shopping, banking, health care, secondary educational services, employment, and recreation. For the most part, this appears to be a mutually agreeable situation between the towns.

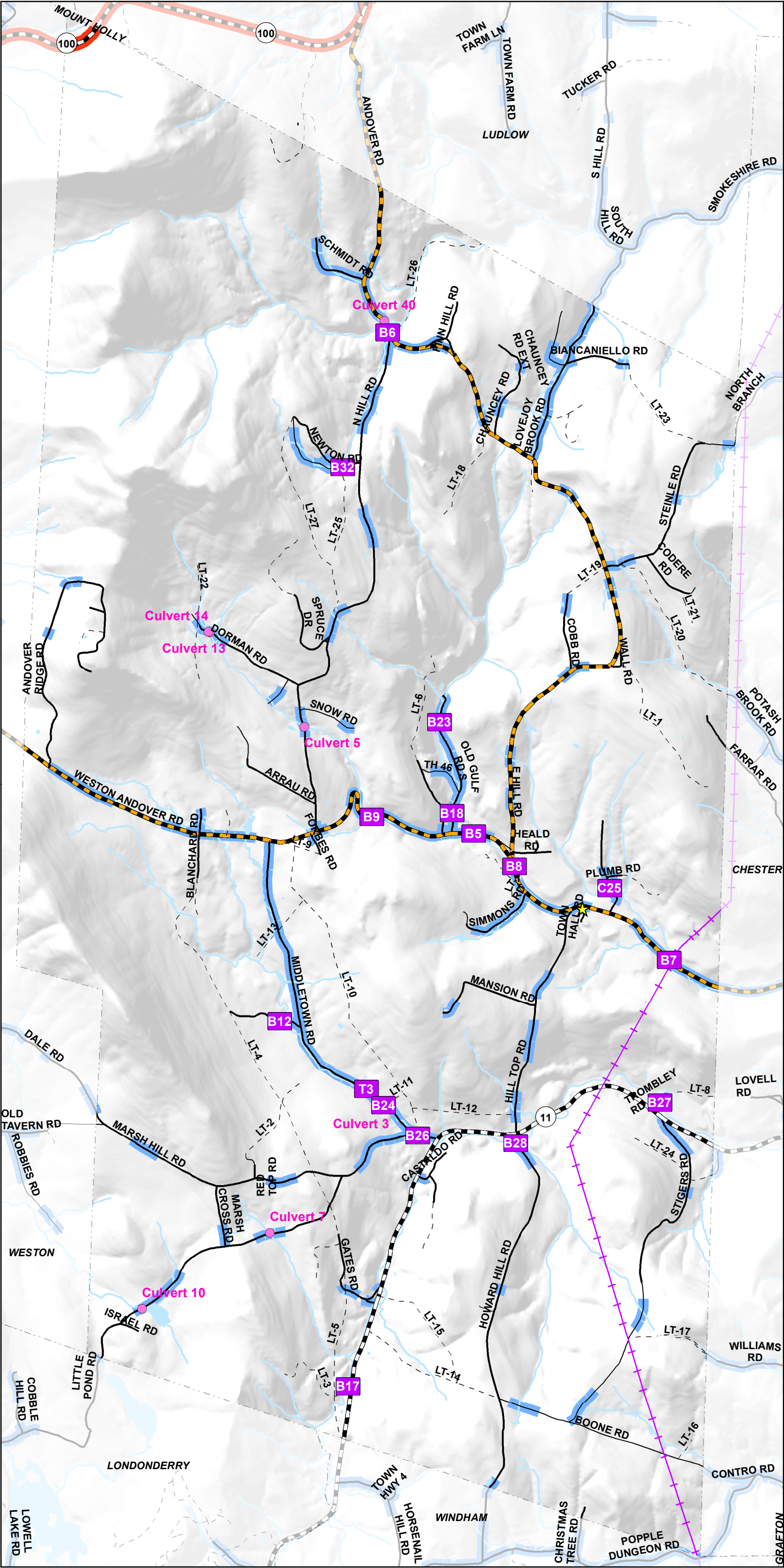
The Okemo Mountain ski resort has the greatest potential for influencing the regional planning picture around Andover in the foreseeable future. Employing approximately 1,200 people during the ski season, the success of the resort is essential to the financial stability of many families in the region. The presence of the resort also has other implications for the region, and for Andover in particular. Regional or multi-town trends in traffic patterns, land use, land affordability, and seasonal home construction should be considered when comparing Andover’s Town Plan with that of other towns.

Implementation

The primary purpose of this section is to identify immediate actions which might be taken to achieve the plan’s goals and objectives. First, a complete and updated plan is itself a product and an achievement. It can be used to justify and prioritize the use of federal funds for community development, transportation improvements, natural resource protection and management, and other investments. In addition, the town plan stands as a coherent representation of a community’s values as they pertain to the lands of the town. Act 250 requires that developers show their projects conform to the values and priorities expressed in town and regional plans. The town should update this plan as often as necessary, and at least every five years.

During the five-year term of this plan, there are several tasks which have been identified within the plan:

1. Review and adjust zoning and subdivision regulations to conform to the goals set forth in the population, economy, housing, natural resources, and land use elements of this plan.
2. Continue to participate in regional transportation coordination efforts through the Transportation Advisory Committee and Town and Village Transportation Services.
3. Develop access management guidelines for Andover’s 3.9 miles of state highway, Route 11.
4. Request that the Regional Planning Commission create and update maps indicating the locations of state regulated natural resource constraints.
5. Develop a Capital Program and Budget Plan.
6. Maintain active and effective representation on the elementary and high school boards.
7. Work with regional land trusts and the regional commission on meeting local housing needs.
8. Identify areas of significant aesthetic value to the entire community.
9. Inventory cultural resources as identified by the residents of Andover.



Transportation and Utilities Map

Town Plan 2018 Town of Andover, VT Adopted DRAFT

- ★ Town Office
- Bridge
- Notable culverts that need work
- VT State Highway
- Class 2 Town Highway
- Class 3 Town Highway
- Class 4 Town Highway
- - - Forest Road, Legal Trail or Private Road
- Hydrologically Connected Road Segment
- Scenic Route 100 Byway
- Electric Transmission Line Corridors
- River or Stream
- Lake or Pond

Within the town there are no airports, fixed route transit routes or railroads. There are also no schools, hospitals, libraries, emergency services, public water or sewer lines within the town.

Data Sources: Bridges and Culverts (RPC/ Town 2018, vtculverts.org), Electric Transmission Line Corridors (VCGI 2003 and RPC 2016), Buildings (VT E911 Feb 2018), Waterbodies (VHD 2008), Roads and Byways (VTrans 2017), Hydrologically Connected Road Segment (Municipal Road General Permit, ANR January 2018), Hillshade (derived from 10m Digital Elevation Model, USGS/ VCGI 2012), Town Boundary (VCGI 2016).

VT State Plane, Meters, NAD 83

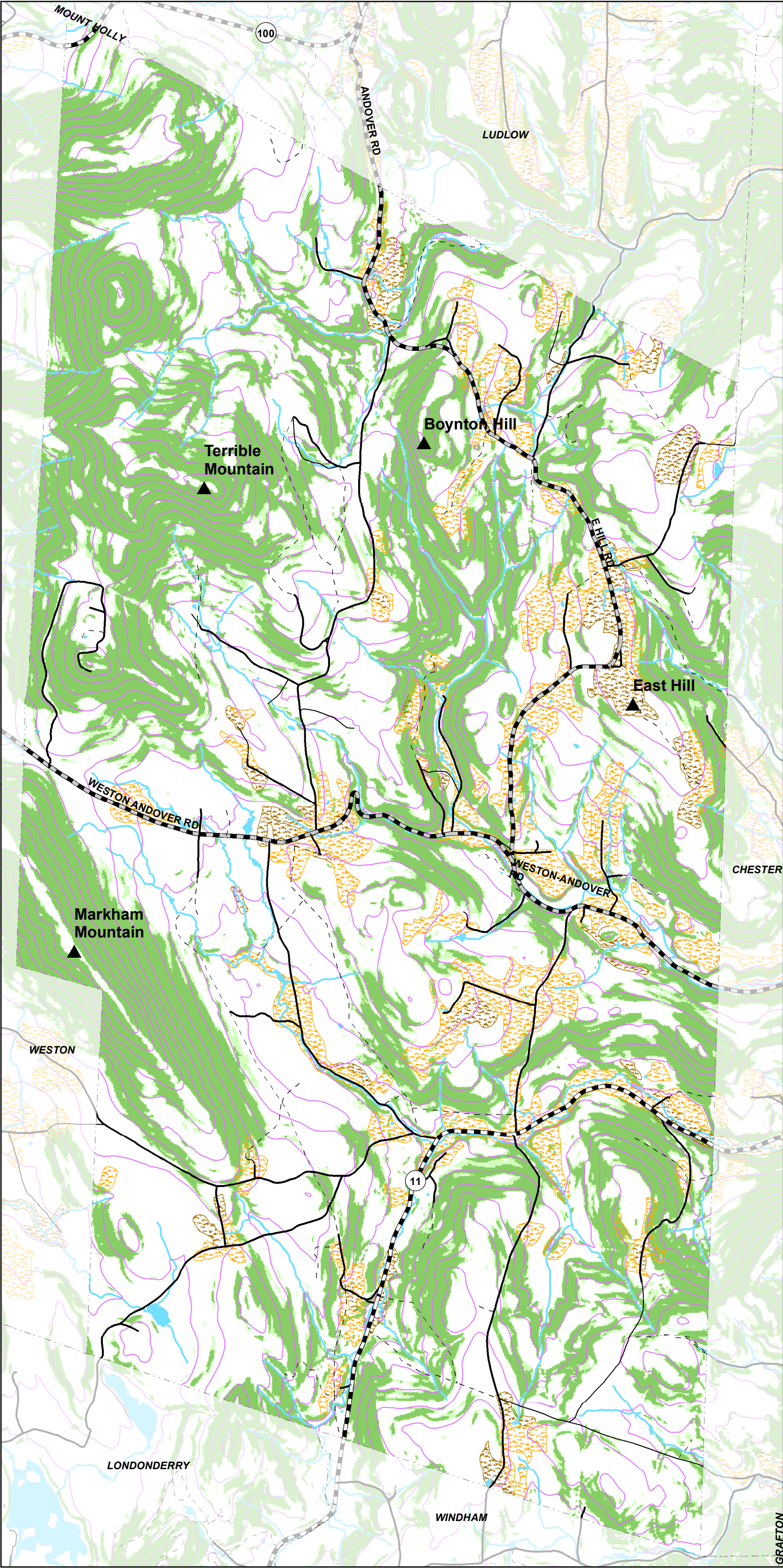
For planning purposes only. Not for regulatory interpretation.

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P.O. Box 320, Ascutney, VT 05030
802-674-9201 www.swcrpc.org

Drawn April 13, 2018
Adopted DRAFT



**Natural Resources
Map**

**Town Plan 2018
Town of Andover, VT
Adopted DRAFT**

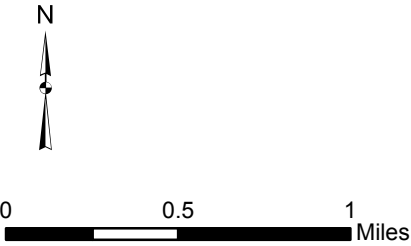
- ▲ HillAndMountainSu...
- 100ft contour
- Prime Agricultural Soils
- Agricultural Soils of Statewide Importance
- Steep slope - 20 - 23%
- Steep slope - 24% and over
- River or Stream
- Lake or Pond
- VT State Highway
- Class 2 Town Highway
- Class 3 Town Highway
- Class 4 Town Highway
- Forest Road, Legal Trail or Private Road

Data Sources:
Agricultural soils (NRCS 2015),
Slope (10m USGS/ VCGI 2012),
Contours (using 20ft VCGI 2012),
Hill and Mountains (Unknown source)
Waterbodies (VHD 2008),
Roads (VTrans 2017),
Town Boundary (VCGI 2016).

VT State Plane, Meters,
NAD 83

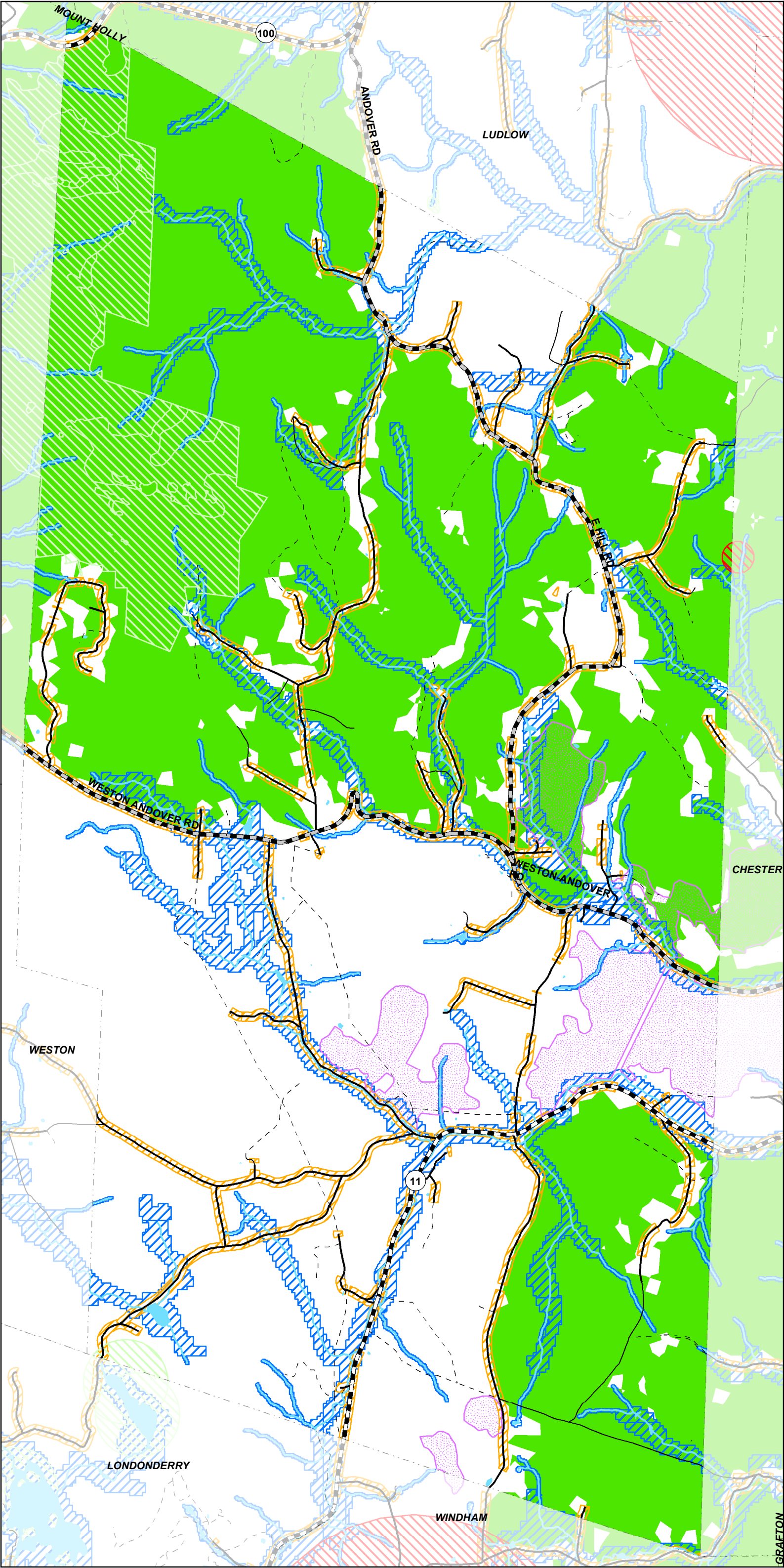
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Drawn March 20, 2018
Adopted DRAFT



Wildlife Habitat Map

**Town Plan 2018
Town of Andover, VT
Adopted DRAFT**

- State-Endangered Species
- State-Threatened Species
- Natural Community
- Deer Wintering Area
- Highest Priority Wildlife Crossings
- Highest Priority Surface Water and Riparian Areas
- Highest Priority Connectivity Blocks
- River or Stream
- Lake or Pond
- VT State Highway
- Class 2 Town Highway
- Class 3 Town Highway
- Class 4 Town Highway
- Forest Road, Legal Trail or Private Road

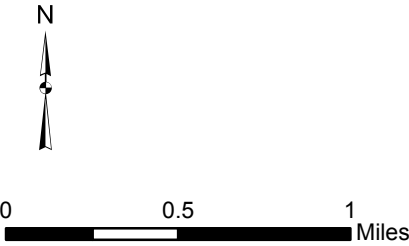
Within the town there are no Highest Priority Interior Forest Blocks.

Data Sources:
Highest Priority Interior Forest Blocks, Highest Priority Connectivity Blocks, Highest Priority Surface Waters and Riparian Areas, Highest Priority Wildlife Road Crossings (VT Conservation Design, ANR 2016), Rare, Threatened, Endangered and Natural Communities (ANR Dec 2017), Deer Wintering Areas (ANR 2017), Waterbodies (VHD 2008), Roads (VTrans 2017), Town Boundary (VCGI 2016).

VT State Plane, Meters, NAD 83

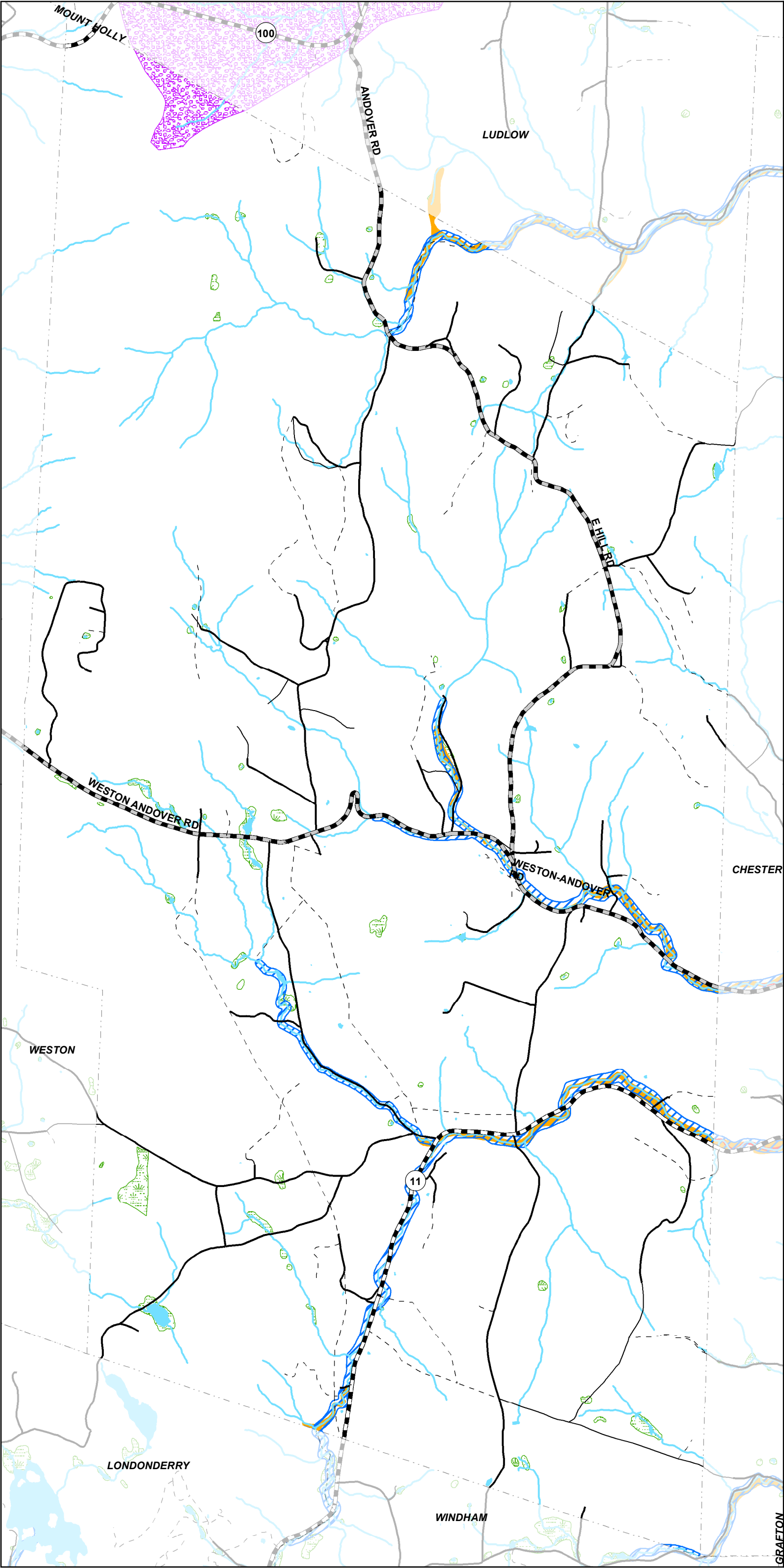
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Water Resources Map

**Town Plan 2018
Town of Andover, VT
Adopted DRAFT**

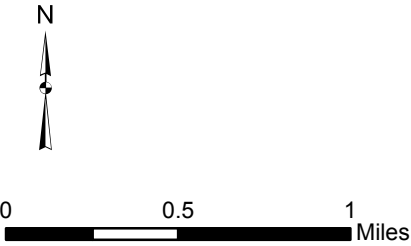
-  Floodway (Zone AE)
-  Floodway Fringe/
Floodplain (Zone A
and AE)
-  River Corridor
-  Wetland
-  Groundwater
Protection Area
-  River or Stream
-  Lake or Pond
-  VT State Highway
-  Class 2 Town Highway
-  Class 3 Town Highway
-  Class 4 Town Highway
-  Forest Road, Legal
Trail or Private Road

Data Sources:
Floodway and Floodplain
(FEMA 2008), River Corridor
(ANR Jan 2015), Wetlands
(VSWI ANR 2017),
Waterbodies (VHD 2008),
Groundwater Protection Area
(ANR 2017), Roads (VTrans
2017), Town Boundary (VCGI
2016).

VT State Plane, Meters,
NAD 83

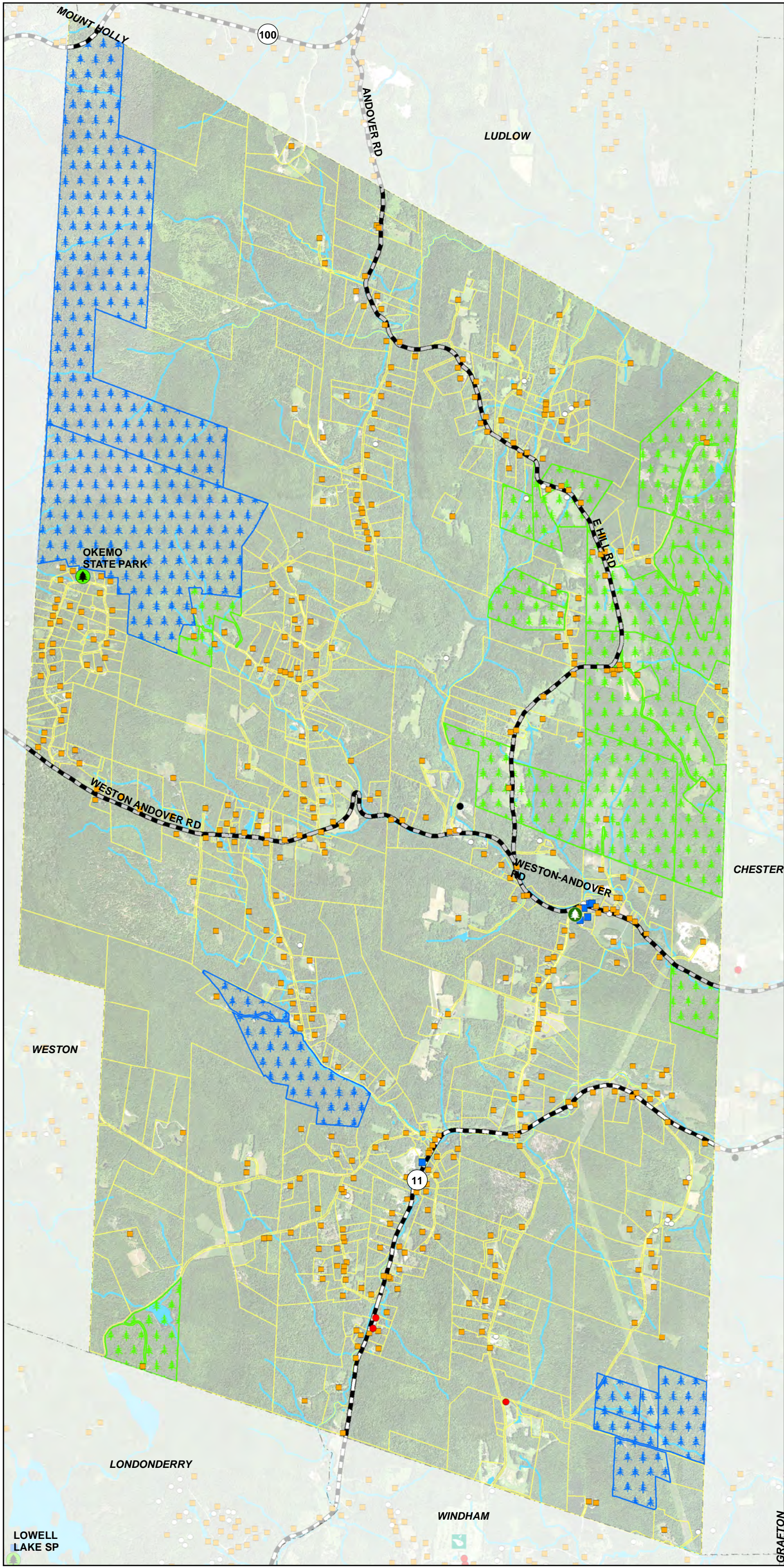
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Current Land Use Map

Town Plan 2018
Town of Andover, VT
Adopted DRAFT

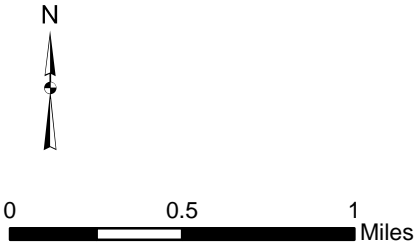
- Government and Community
- Commercial and Industrial
- Residential
- Cemetery
- Other
- State Park/ Forest/ Recreation Area
- Town Park/ Forest/ Recreation Area
- Golf Course
- Other notable recreation site
- Public Conserved Land
- Privately Conserved Land
- Parcel
- VT State Highway
- Class 2 Town Hwy
- River or Stream
- Lake or Pond

Data Sources:
Conserved Lands (RPC 2018 collating from UVM 2009 (Private), UVM 2010 (Public), and VLT 2016), Recreation sites (ANR 1999 and RPC 2014), Buildings (VT E911 Feb 2018), Roads (VTrans 2017), Waterbodies (ANR 2008), Parcels (Terra Map 2016), Town Boundary (VCGI 2016), Aerials (NAIP 2016)

VT State Plane, Meters, NAD 83

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**Future Land Use Map
with Forest overlays
FOR DRAFTING ONLY**

**Town Plan 2018
Town of Andover, VT
Adopted DRAFT**

**Future Land Use
Categories**

- Rural/ Residential
- Commercial
- Agriculture
- Conservation
- Highest Priority Connectivity Blocks
- VT State Highway
- Class 2 Town Hwy
- Parcel

For drafting purposes from Vermont Conservation Design (ANR 2016):
- Highest priority connectivity blocks

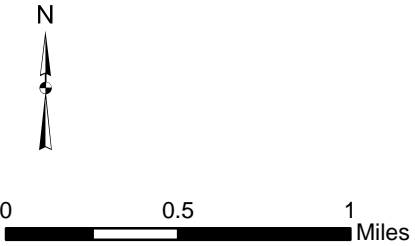
There are no highest priority interior forest blocks.

Data Sources:
Roads (VTrans 2017), Parcels (Terra Map 2016), Future Land Use (RPC/ Town 2013), Town Boundary (VCGI 2016), Aerials (NAIP 2016)

VT State Plane, Meters, NAD 83

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